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EEEEEEEEEEEEEEEEEE DDDDDDDDDDDDDDD TTTTTTTTTTTTTTTT
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[illegible]

[illegible]

```
0001 0 XTITLE 'EDT$SCRNEWDEL - delete a line from the screen'
0002 0 MODULE EDT$SCRNEWDEL ( ! delete a line from the screen
0003 0 IDENT = 'V04-000' ! File: SCRNEWDEL.BLI Edit: JBS1007
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *****
0028 1
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This module updates the screen information data structure to
0037 1 reflect the deletion of a line.
0038 1
0039 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0040 1
0041 1 AUTHOR: Sharon M. Burlingame, CREATION DATE: September 15, 1982
0042 1
0043 1 MODIFIED BY:
0044 1
0045 1 1-001 - Original. SMB 15-Sep-1982.
0046 1 1-002 - Fix up the original to conform to new design. SMB 10-Oct-1982
0047 1 1-003 - Add more code to remove existing bugs. SMB 26-Oct-1982
0048 1 1-004 - Change updating of the screen pointers. JBS 29-Oct-1982
0049 1 1-005 - Don't set the rebuild flag. JBS 03-Jan-1983
0050 1 1-006 - Also invalidate EDT$SA_CSR SCRPTIR if it is deleted. JBS 20-May-1983
0051 1 1-007 - Improve the appearance of the listing. JBS 17-Jun-1983
0052 1 --
0053 1
```



```
.. 55      0054 1 %SBTTL 'Declarations'
56      0055 1
57      0056 1 : TABLE OF CONTENTS:
58      0057 1 :
59      0058 1
60      0059 1 REQUIRE 'EDT$SRC:TRAROUNAM';
61      0498 1
62      0499 1 FORWARD ROUTINE
63      0500 1     EDT$$$SC_LNDEL : NOVALUE;
64      0501 1
65      0502 1 :
66      0503 1 : INCLUDE FILES:
67      0504 1 :
68      0505 1
69      0506 1 REQUIRE 'EDT$SRC:EDTREQ';
70      0641 1
71      0642 1 :
72      0643 1 : MACROS:
73      0644 1 :
74      0645 1 :     NONE
75      0646 1 :
76      0647 1 : EQUATED SYMBOLS:
77      0648 1 :
78      0649 1 :     NONE
79      0650 1 :
80      0651 1 : OWN STORAGE:
81      0652 1 :
82      0653 1 :     NONE
83      0654 1 :
84      0655 1 : EXTERNAL REFERENCES:
85      0656 1 :
86      0657 1 :     In the routine
```

```

88 0658 1 %SBTTL 'EDT$SSC_LNDEL - delete a line from the screen'
89 0659 1
90 0660 1 GLOBAL ROUTINE EDT$SSC_LNDEL (                ! Delete a line from the screen
91 0661 1     SCRPTR                                ! Screen pointer to delete
92 0662 1     ) : NOVALUE =
93 0663 1
94 0664 1 ++
95 0665 1 FUNCTIONAL DESCRIPTION:
96 0666 1
97 0667 1     Update the screen line information structure by
98 0668 1     releasing the memory to the pool of available storage.
99 0669 1     Update various screen line pointers as necessary.
100 0670 1
101 0671 1 FORMAL PARAMETERS:
102 0672 1
103 0673 1     NONE
104 0674 1
105 0675 1 IMPLICIT INPUTS:
106 0676 1
107 0677 1     EDT$SG_MEM_CNT
108 0678 1     EDT$SA_BOT_SCRPTR
109 0679 1     EDT$SA_EOB_SCRPTR
110 0680 1     EDT$SA_TOP_SCRPTR
111 0681 1     EDT$SA_FST_AVLN
112 0682 1     EDT$SA_FST_SCRPTR
113 0683 1     EDT$SA_LST_SCRPTR
114 0684 1     EDT$SA_CSR_SCRPTR
115 0685 1     EDT$SL_CUR_SCRLN
116 0686 1
117 0687 1 IMPLICIT OUTPUTS:
118 0688 1
119 0689 1     EDT$SG_MEM_CNT
120 0690 1     EDT$SA_BOT_SCRPTR
121 0691 1     EDT$SA_EOB_SCRPTR
122 0692 1     EDT$SA_TOP_SCRPTR
123 0693 1     EDT$SA_FST_AVLN
124 0694 1     EDT$SA_FST_SCRPTR
125 0695 1     EDT$SA_LST_SCRPTR
126 0696 1     EDT$SA_CSR_SCRPTR
127 0697 1     EDT$SL_CUR_SCRLN
128 0698 1
129 0699 1 ROUTINE VALUE:
130 0700 1
131 0701 1     NONE
132 0702 1
133 0703 1 SIDE EFFECTS:
134 0704 1
135 0705 1     NONE
136 0706 1
137 0707 1 --
138 0708 1
139 0709 2 BEGIN
140 0710 2
141 0711 2 EXTERNAL
142 0712 2     EDT$SG_MEM_CNT,
143 0713 2     EDT$SA_BOT_SCRPTR : REF SCREEN_LINE,
144 0714 2     EDT$SA_EOB_SCRPTR : REF SCREEN_LINE,

```

```

! Allocated memory count
! Bottom screen pointer
! EOB screen pointer

```

```
145 0715 2      EDT$A_TOP_SCRPTR : REF SCREEN_LINE,      ! Top screen pointer
146 0716 2      EDT$A_CSR_SCRPTR : REF SCREEN_LINE,      ! Current screen pointer
147 0717 2      EDT$A_FST_AVLN : REF SCREEN_LINE,        ! First available screen info memory
148 0718 2      EDT$A_FST_SCRPTR : REF SCREEN_LINE,      ! Pointer to first screen line info
149 0719 2      EDT$A_LST_SCRPTR : REF SCREEN_LINE,      ! Pointer to last screen line info
150 0720
151 0721
152 0722 2      MAP
153 0723 2          SCRPTR : REF SCREEN_LINE;              ! Screen pointer parameter
154 0724 2
155 0725 2      LOCAL
156 0726 2          NXT_ADDR : REF SCREEN_LINE,           ! Address of next line info
157 0727 2          PREV_ADDR : REF SCREEN_LINE;          ! Address of previous line info
158 0728
159 0729 2      + Find the next and previous pointers of the line being deleted.
160 0730 2      -
161 0731 2          NXT_ADDR = .SCRPTR [SCR_NXT_LINE];
162 0732 2          PREV_ADDR = .SCRPTR [SCR_PRV_LINE];
163 0733 2      +
164 0734 2      - Check for deleting the first line of the screen data base.
165 0735 2
166 0736 2
167 0737 2      IF (.EDT$A_FST_SCRPTR EQLA .SCRPTR)
168 0738 2      THEN
169 0739 2          BEGIN
170 0740 2              EDT$A_FST_SCRPTR = .NXT_ADDR;
171 0741 2              EDT$A_FST_SCRPTR [SCR_PRV_LINE] = 0;
172 0742 2          END;
173 0743 2
174 0744 2      +
175 0745 2      - Check for deleting the last line of the screen data base.
176 0746 2
177 0747 2
178 0748 2      IF (.SCRPTR EQLA .EDT$A_LST_SCRPTR)
179 0749 2      THEN
180 0750 2          BEGIN
181 0751 2              EDT$A_LST_SCRPTR = .PREV_ADDR;
182 0752 2              EDT$A_LST_SCRPTR [SCR_NXT_LINE] = 0;
183 0753 2          END;
184 0754 2
185 0755 2      +
186 0756 2      - Check for EOB deleted off the screen
187 0757 2
188 0758 2
189 0759 2      IF (.EDT$A_EOB_SCRPTR EQLA .SCRPTR) THEN EDT$A_EOB_SCRPTR = 0;
190 0760 2
191 0761 2      +
192 0762 2      - Check for deleting the top line from the data base.
193 0763 2
194 0764 2
195 0765 2      IF (.EDT$A_TOP_SCRPTR EQLA .SCRPTR) THEN EDT$A_TOP_SCRPTR = 0;
196 0766 2
197 0767 2      +
198 0768 2      - Check for deleting the bottom line from the data base.
199 0769 2
200 0770 2
201 0771 2      IF (.EDT$A_BOT_SCRPTR EQLA .SCRPTR) THEN EDT$A_BOT_SCRPTR = 0;
```



```
202 0772
203 0773
204 0774
205 0775
206 0776
207 0777
208 0778
209 0779
210 0780
211 0781
212 0782
213 0783
214 0784
215 0785
216 0786
217 0787
218 0788
219 0789
220 0790
221 0791
222 0792
223 0793
224 0794
225 0795
226 0796
227 0797
228 0798
229 0799
230 0800
231 0801
232 0802
233 0803
234 0804
235 0805
236 0806
237 0807
238 0808
239 0809
240 0810
241 0811
242 0812
243 0813
244 0814
245 0815
246 0816
247 0817
248 0818
249 0819
250 0820
251 0821
252 0822
253 0823
254 0824
255 0825
256 0826
257 0827
258 0828

+ Check for deleting the current line from the data base. This will likely
- cause the screen data base to get rebuilt.

IF (.EDT$A_CSR_SCRPTR EQLA .SCRPTR) THEN EDT$A_CSR_SCRPTR = 0;

+ Fix up the previous and next pointers.
-

IF (.PREV_ADDR NEQA 0) THEN PREV_ADDR [SCR_NXT_LINE] = .NXT_ADDR;
IF (.NXT_ADDR NEQA 0) THEN NXT_ADDR [SCR_PRV_LINE] = .PREV_ADDR;

+ The line being deleted is indicated by SCRPTR. If there
- are no screen line buffers in the free list, then start
a new list; otherwise add the memory to the front of the current list.

SCRPTR [SCR_NXT_LINE] = .EDT$A_FST_AVLN;
SCRPTR [SCR_PRV_LINE] = -1; ! For debugging
EDT$A_FST_AVLN = .SCRPTR;
EDT$G_MEM_CNT = .EDT$G_MEM_CNT - 1;

+ Make sure the counter agrees with the data base.
-

IF 0
THEN
BEGIN
LOCAL
COUNT,
SCRPTR1 : REF SCREEN_LINE,
SCRPTR2 : REF SCREEN_LINE;

COUNT = 0;
SCRPTR1 = .EDT$A_FST_SCRPTR;
ASSERT (.SCRPTR1 [SCR_PRV_LINE] EQL 0);

WHILE (.SCRPTR1 NEQA 0) DO
BEGIN
COUNT = .COUNT + 1;
SCRPTR2 = .SCRPTR1;
SCRPTR1 = .SCRPTR1 [SCR_NXT_LINE];

IF (.SCRPTR1 NEQA 0)
THEN
BEGIN
ASSERT (.SCRPTR1 [SCR_PRV_LINE] EQLA .SCRPTR2);
ASSERT (.SCRPTR1 NEQA .EDT$A_FST_SCRPTR);
END;

END;
```

```

: 259      0829 3      ASSERT (.SCRPTR2 EQLA .EDT$$A_LST_SCRPTR);
: 260      0830 3      ASSERT (.COUNT EQL .EDT$$G_MEM_CNT);
: 261      0831 2      END;
: 262      0832 2
: 263      0833 1      END;

```

! of routine EDT\$\$\$SC_LNDEL

```

.TITLE EDT$SCRNEWDEL EDT$SCRNEWDEL - delete a line fro
      m the screen
.IDENT \V04-000\

.EXTRN EDT$$G_MEM_CNT, EDT$$A_BOT_SCRPTR
.EXTRN EDT$$A_EOB_SCRPTR
.EXTRN EDT$$A_TOP_SCRPTR
.EXTRN EDT$$A_CSR_SCRPTR
.EXTRN EDT$$A_FST_AVLN
.EXTRN EDT$$A_FST_SCRPTR
.EXTRN EDT$$A_LST_SCRPTR
.EXTRN EDT$$INTER_ERR

.PSECT _EDT$CODE,NOWRT, SHR, PIC,2

.ENTRY EDT$$$SC_LNDEL, Save R2,R3,R4,R5,R6,R7,R8,- R9,R10 : 0660
      MOVAB EDT$$A_FST_AVLN, R10
      MOVAB EDT$$A_CSR_SCRPTR, R9
      MOVAB EDT$$A_BOT_SCRPTR, R8
      MOVAB EDT$$A_TOP_SCRPTR, R7
      MOVAB EDT$$A_EOB_SCRPTR, R6
      MOVAB EDT$$A_FST_SCRPTR, R5
      MOVAB EDT$$A_LST_SCRPTR, R4
      MOVL  SCRPTR, R1
      MOVQ  (R1), PREV_ADDR
      CMPL  EDT$$A_FST_SCRPTR, R1
      BNEQ  1$
      MOVL  NXT_ADDR, EDT$$A_FST_SCRPTR
      MOVL  EDT$$A_FST_SCRPTR, R0
      CLRL  (R0)
      CMPL  R1, EDT$$A_LST_SCRPTR
      BNEQ  2$
      MOVL  PREV_ADDR, EDT$$A_LST_SCRPTR
      MOVL  EDT$$A_LST_SCRPTR, R0
      CLRL  4(R0)
      CMPL  EDT$$A_EOB_SCRPTR, R1
      BNEQ  3$
      CLRL  EDT$$A_EOB_SCRPTR
      CMPL  EDT$$A_TOP_SCRPTR, R1
      BNEQ  4$
      CLRL  EDT$$A_TOP_SCRPTR
      CMPL  EDT$$A_BOT_SCRPTR, R1
      BNEQ  5$
      CLRL  EDT$$A_BOT_SCRPTR
      CMPL  EDT$$A_CSR_SCRPTR, R1
      BNEQ  6$
      CLRL  EDT$$A_CSR_SCRPTR
      TSTL  PREV_ADDR
      BEQL  7$

```

```

07FC 00000
5A 00000000G 00 9E 00002
59 00000000G 00 9E 00009
58 00000000G 00 9E 00010
57 00000000G 00 9E 00017
56 00000000G 00 9E 0001E
55 00000000G 00 9E 00025
54 00000000G 00 9E 0002C
51      04  AC  D0 00033
52      61  7D 00037
51      65  D1 0003A
      08  12 0003D
65      53  D0 0003F
50      65  D0 00042
      60  D4 00045
64      51  D1 00047 1$:
      09  12 0004A
64      52  D0 0004C
50      64  D0 0004F
      04  A0  D4 00052
51      66  D1 00055 2$:
      02  12 00058
      66  D4 0005A
51      67  D1 0005C 3$:
      02  12 0005F
      67  D4 00061
51      68  D1 00063 4$:
      02  12 00066
      68  D4 00068
51      69  D1 0006A 5$:
      02  12 0006D
      69  D4 0006F
      52  D5 00071 6$:
      04  13 00073

```

```

: 0731
: 0732
: 0737
: 0740
: 0741
: 0748
: 0751
: 0752
: 0759
: 0765
: 0771
: 0778
: 0784

```


EDT\$SCRNEWDEL	EDT\$SCRNEWDEL - delete a line from the screen	F 5	16-Sep-1984 01:37:42	VAX-11 Bliss-32 V4.0-742	Page 7
VO4-000	EDT\$\$\$SC_LNDEL - delete a line from the screen		14-Sep-1984 12:24:34	[EDT.SRC]SCRNEWDEL.BLI;1	(3)

04	A2	53	D0	00075	7\$:	MOVL	NXT_ADDR, 4(PREV_ADDR)	:	0786
		53	D5	00079		TSTL	NXT_ADDR	:	
		03	13	0007B		BEQL	8\$:	
04	63	52	D0	0007D	8\$:	MOVL	PREV_ADDR, (NXT_ADDR)	:	0793
	A1	6A	D0	00080		MOVL	EDT\$\$A_FST_AVLN, 4(R1)	:	0794
	61	01	CE	00084		MNEGL	#1, (RT)	:	0795
	6A	51	D0	00087		MOVL	R1, EDT\$\$A_FST_AVLN	:	0796
	00000000G	00	D7	0008A		DECL	EDT\$\$G_MEM_CNT	:	0833
		04	00	00090		RET		:	

; Routine Size: 145 bytes, Routine Base: _EDT\$CODE + 0000

; 264 0834 1
; 265 0835 1 !<BLF/PAGE>

EDT
VO4

EDT\$SCRNEWDEL
V04-000

EDT\$SCRNEWDEL - delete a line from the screen
EDT\$SC_LNDEL - delete a line from the screen

6 5
16-Sep-1984 01:37:42
14-Sep-1984 12:24:34

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]SCRNEWDEL.BLI;1

Page 8
(4)

: 267 0836 1 END
: 268 0837 1
: 269 0838 0 ELUDOM

! of module EDT\$SCRNEWDEL

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	145	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	12	3	40	00:00.2
-\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LISS:SCRNEWDEL/OBJ=OBJ\$:SCRNEWDEL MSRC\$:SCRNEWDEL.BLI/UPDATE=(ENH\$:S
CRNEWDEL)

: Size: 145 code + 0 data bytes
: Run Time: 00:14.8
: Elapsed Time: 00:19.6
: Lines/CPU Min: 3390
: Lexemes/CPU-Min: 12133
: Memory Used: 98 pages
: Compilation Complete

0139

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